Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090618\
Data File : VN051034.D
Acq On : 6 Sep 2018 16:04
Operator : MD\SY
Sample : J4819-01DL 10X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 001M-WILLETS-PT-BLVD(SEP)DL

Quant Time: Sep 07 00:55:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.20	128	132012	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.59	114	669513	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	586408	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.03	65	254076	30.16	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 100.53%				
60) 4-Bromofluorobenzene	12.40	95	208508	23.91	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 79.70%				
63) Toluene-d8	10.09	98	792943	29.00	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 96.67%				
Target Compounds							Qvalue
3) Chloromethane	2.06	50	2745	0.28	ug/l		99
5) Bromomethane	2.56	94	2647	0.45	ug/l		98
12) Methyl Acetate	4.33	43	1805	0.22	ug/l	#	69
13) Acrolein	3.61	56	234	1.28	ug/l	#	49
15) Acetone	3.82	58	135893	190.42	ug/l		99
16) Carbon Disulfide	4.05	76	5214	0.24	ug/l	#	75
23) tert-Butyl Alcohol	4.74	59	666	1.12	ug/l	#	100
30) 2-Butanone	6.85	43	6844	2.22	ug/l	#	82
44) Isopropyl Acetate	8.22	43	6632	0.59	ug/l	#	61
45) 1,4-Dioxane	8.78	88	76	0.92	ug/l	#	1
48) t-1,3-Dichloropropene	10.15	75	10733	1.06	ug/l	#	1
49) cis-1,3-Dichloropropene	10.15	75	10733	0.93	ug/l	#	1
51) Ethyl methacrylate	10.10	69	2308	0.27	ug/l		95
58) 4-Methyl-2-Pentanone	9.99	43	2265	0.34	ug/l	#	78
62) Toluene	10.16	91	1643750	50.24	ug/l		99
77) t-1,4-Dichloro-2-butene	12.40	75	96807	43.94	ug/l	#	13
79) tert-butylbenzene	13.29	119	18094	0.77	ug/l		62
82) p-Isopropyltoluene	13.29	119	18094	0.68	ug/l		97
91) Naphthalene	15.13	128	609	8.61	ug/l	#	69

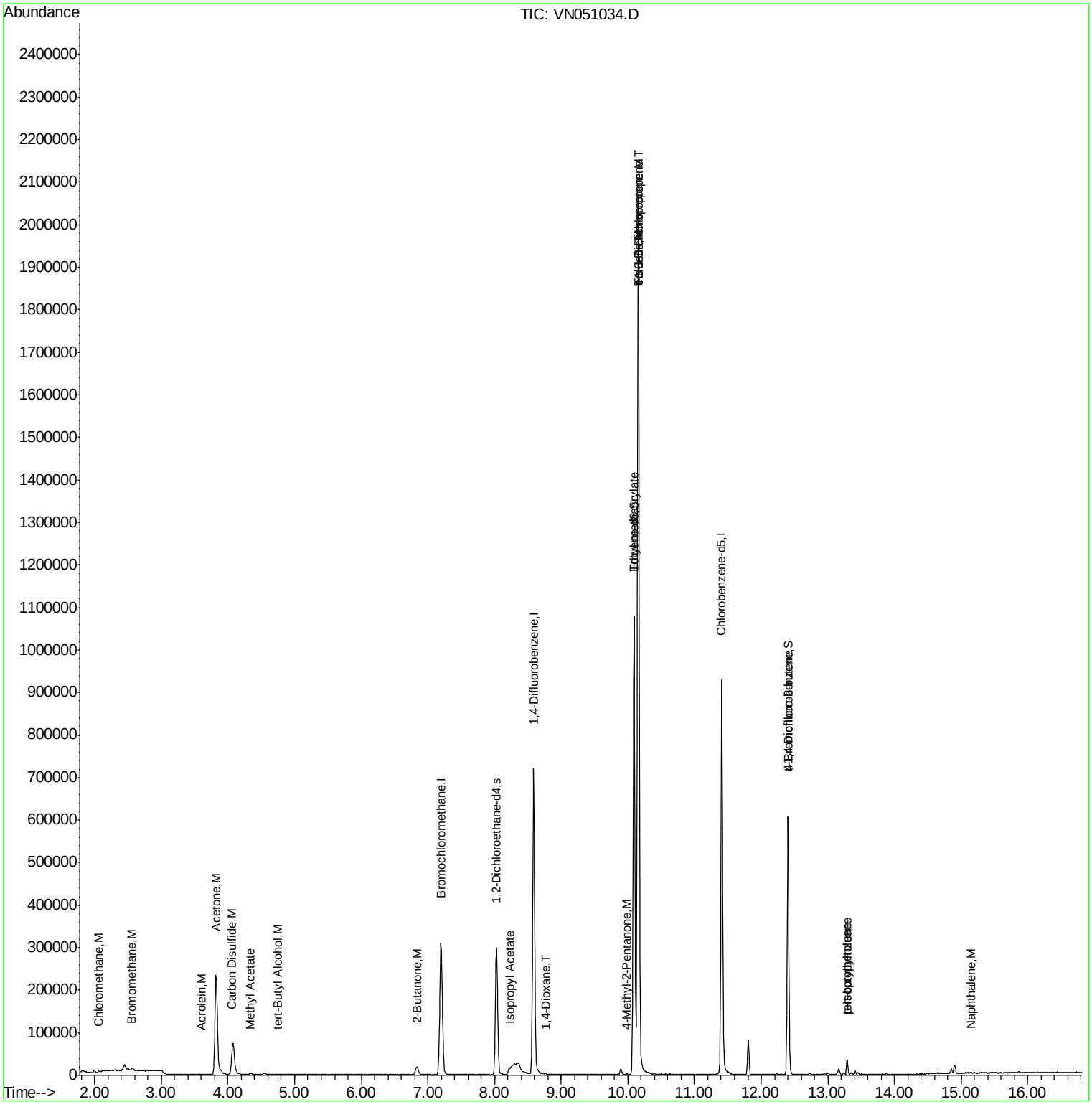
(#) = qualifier out of range (m) = manual integration (+) = signals summed

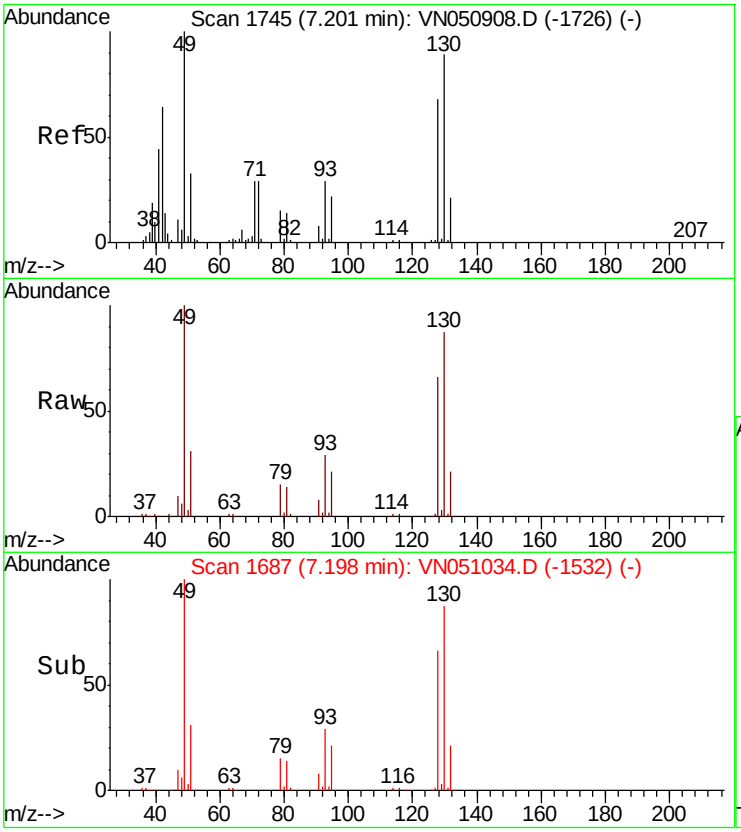
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090618\
Data File : VN051034.D
Acq On : 6 Sep 2018 16:04
Operator : MD\SY
Sample : J4819-01DL 10X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(SEP)DL

Quant Time: Sep 07 00:55:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration



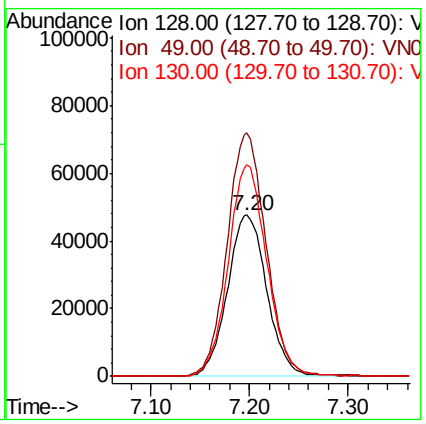


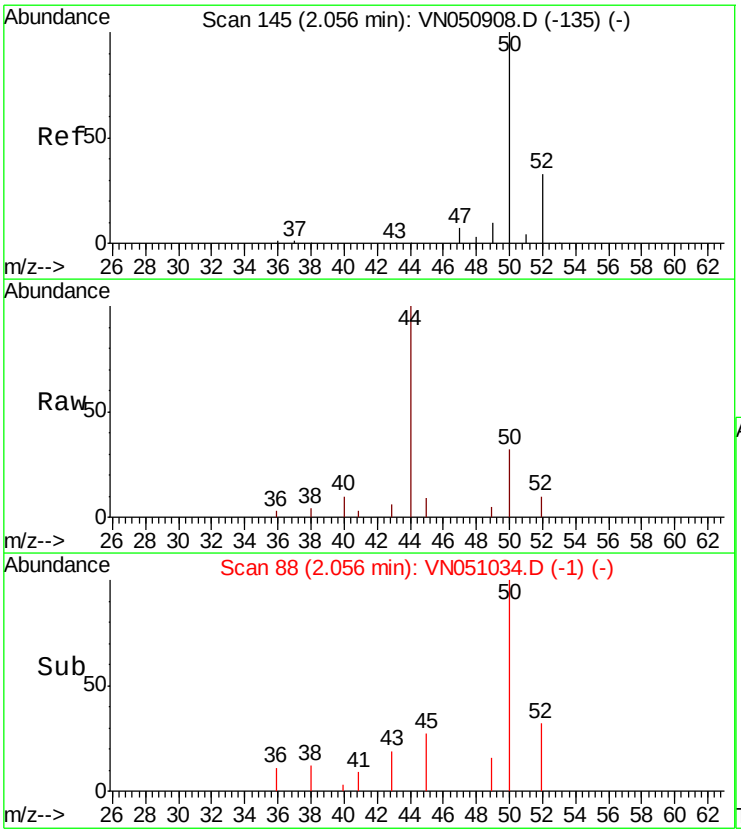
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(SEP)DL

Tgt Ion:128 Resp: 132012

Ion	Ratio	Lower	Upper
128	100		
49	149.2	0.0	380.3
130	128.4	0.0	325.3

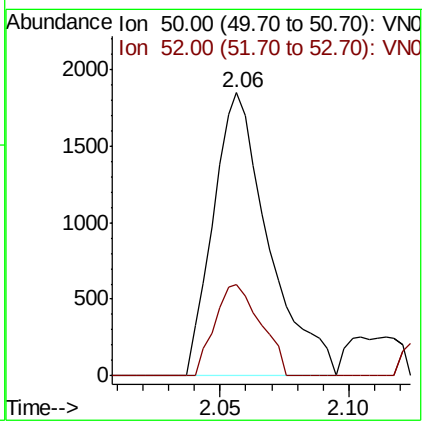


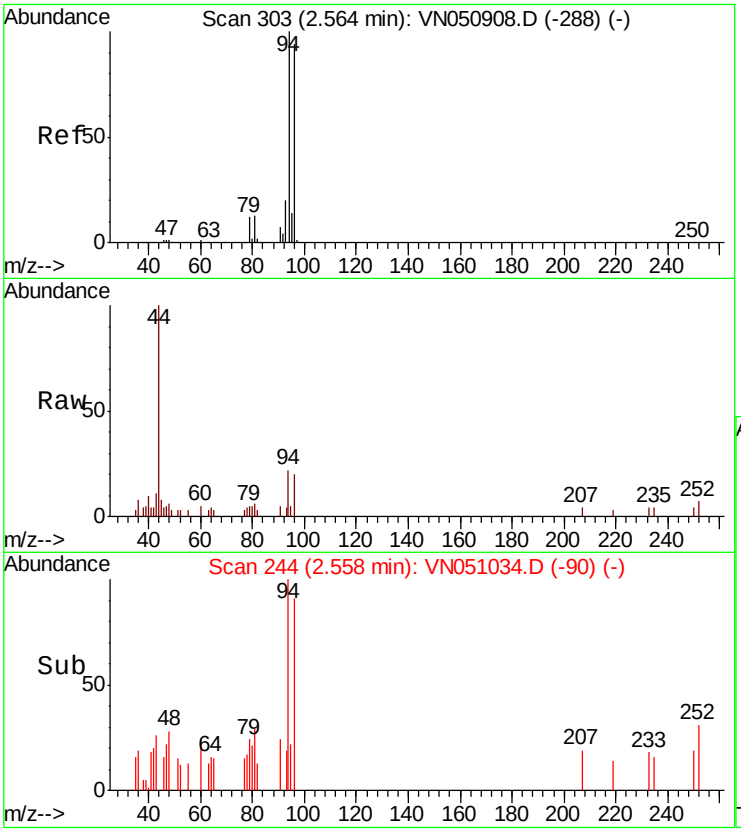


#3
Chloromethane
Concen: 0.28 ug/l
RT: 2.06 min Scan# 88
Delta R.T. 0.00 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Tgt Ion: 50 Resp: 2745

Ion	Ratio	Lower	Upper
50	100		
52	32.1	26.2	39.4



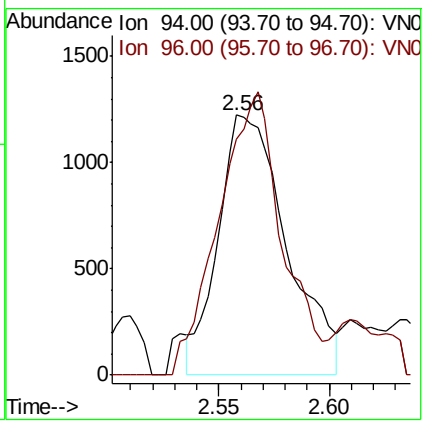


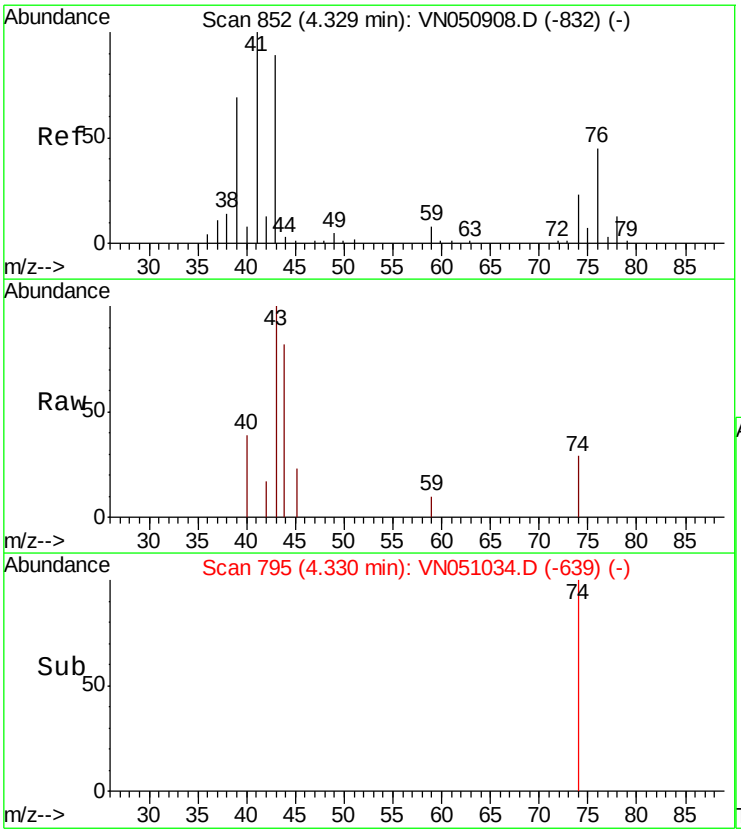
#5
Bromomethane
Concen: 0.45 ug/l
RT: 2.56 min Scan# 244
Delta R.T. -0.01 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(SEP)DL

Tgt Ion: 94 Resp: 2647

Ion	Ratio	Lower	Upper
94	100		
96	91.5	74.9	112.3

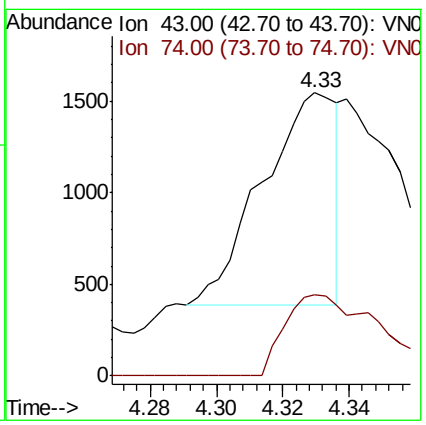


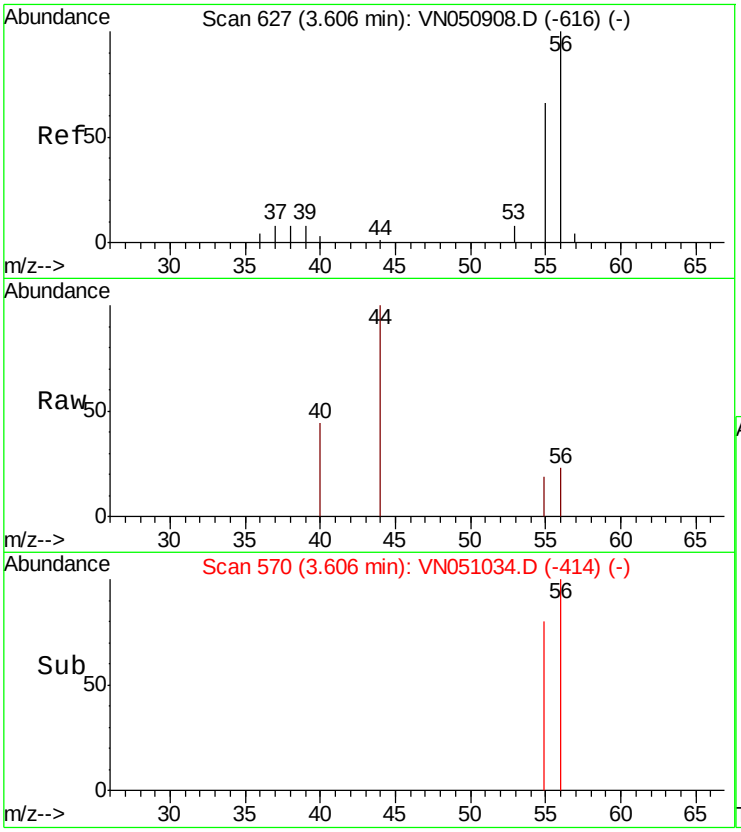


#12
Methyl Acetate
Concen: 0.22 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Tgt Ion: 43 Resp: 1805

Ion	Ratio	Lower	Upper
43	100		
74	41.5	20.6	31.0#



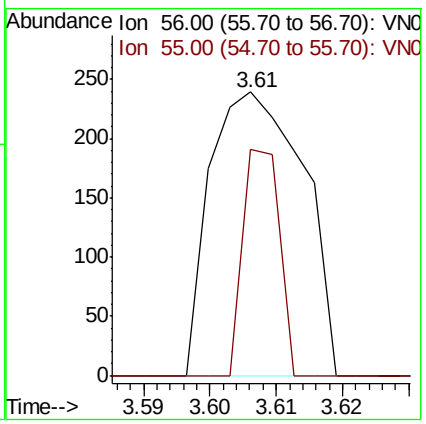


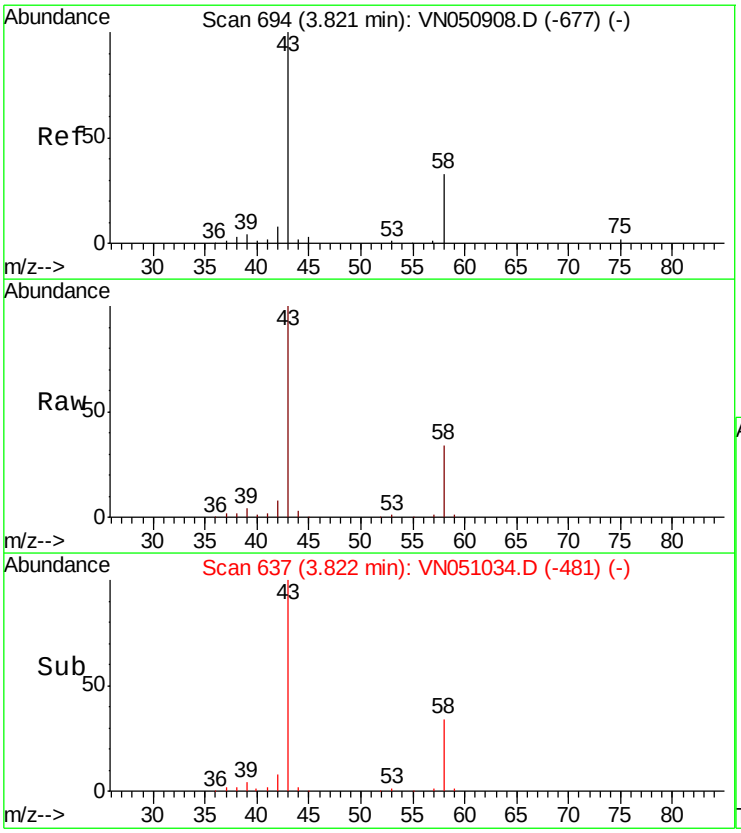
#13
Acrolein
Concen: 1.28 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(SEP)DL

Tgt Ion: 56 Resp: 234

Ion	Ratio	Lower	Upper
56	100		
55	31.2	59.1	88.7#

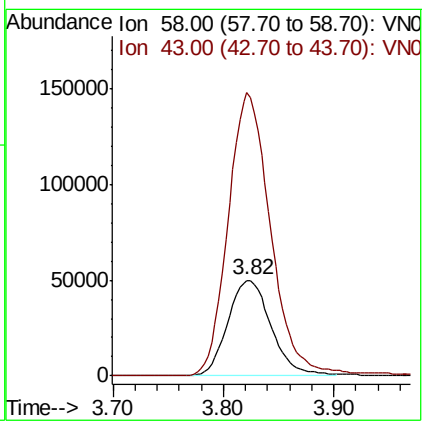


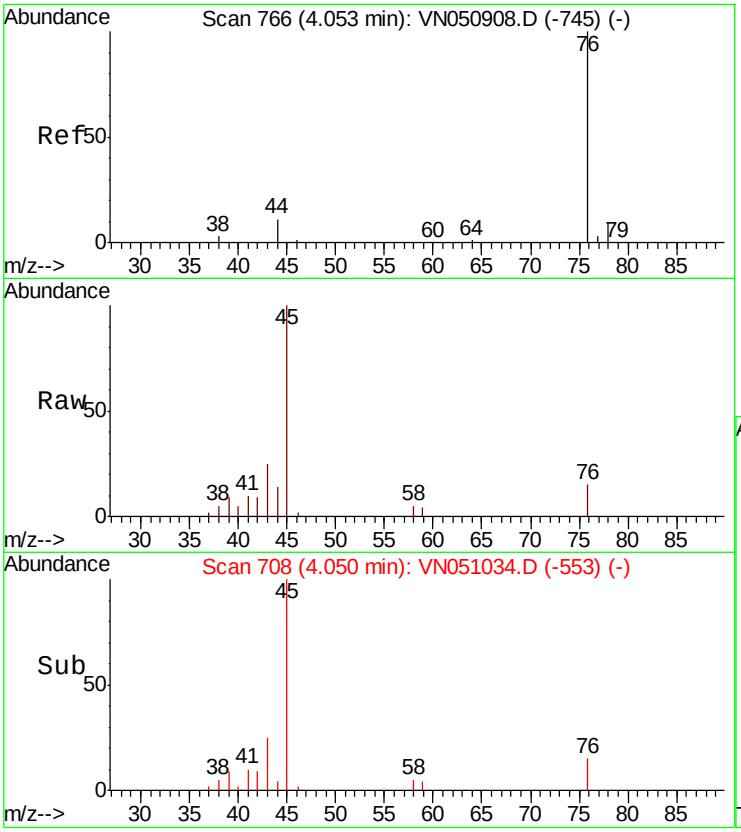


#15
Acetone
Concen: 190.42 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Tgt Ion: 58 Resp: 135893

Ion	Ratio	Lower	Upper
58	100		
43	296.8	239.4	359.0



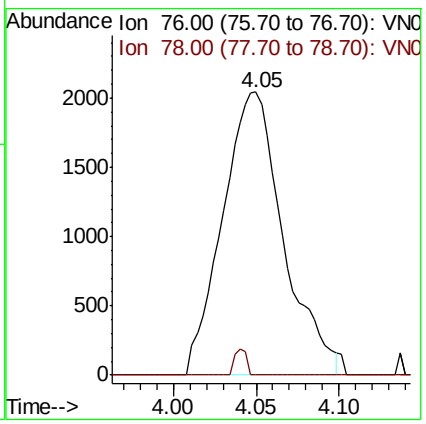


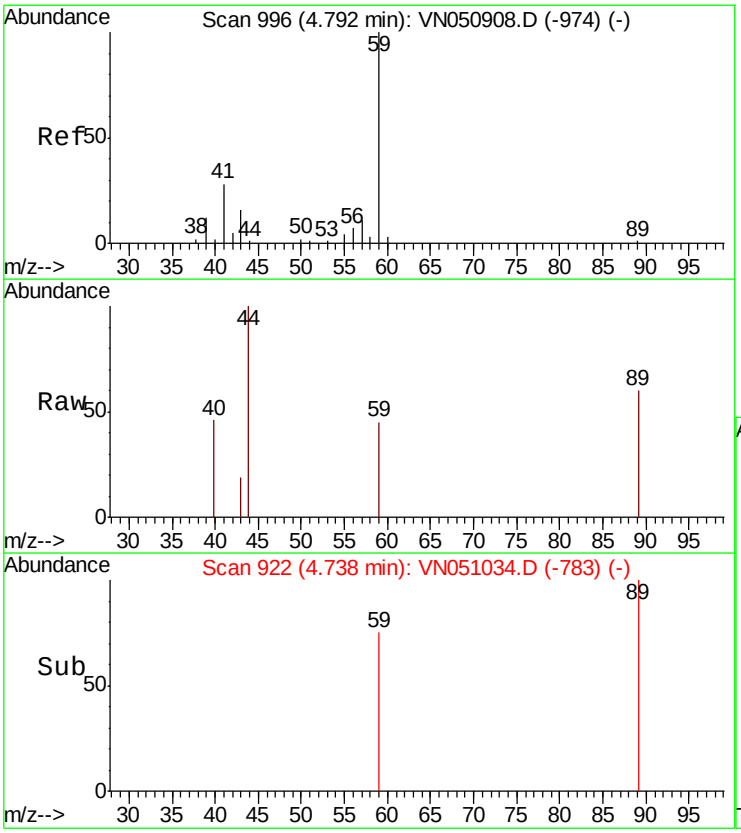
#16
Carbon Disulfide
Concen: 0.24 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(SEP)DL

Tgt Ion: 76 Resp: 5214

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.3	10.9#

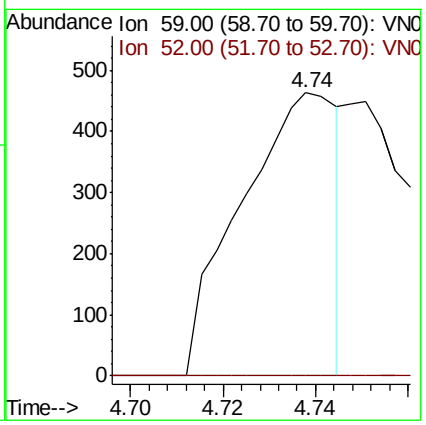


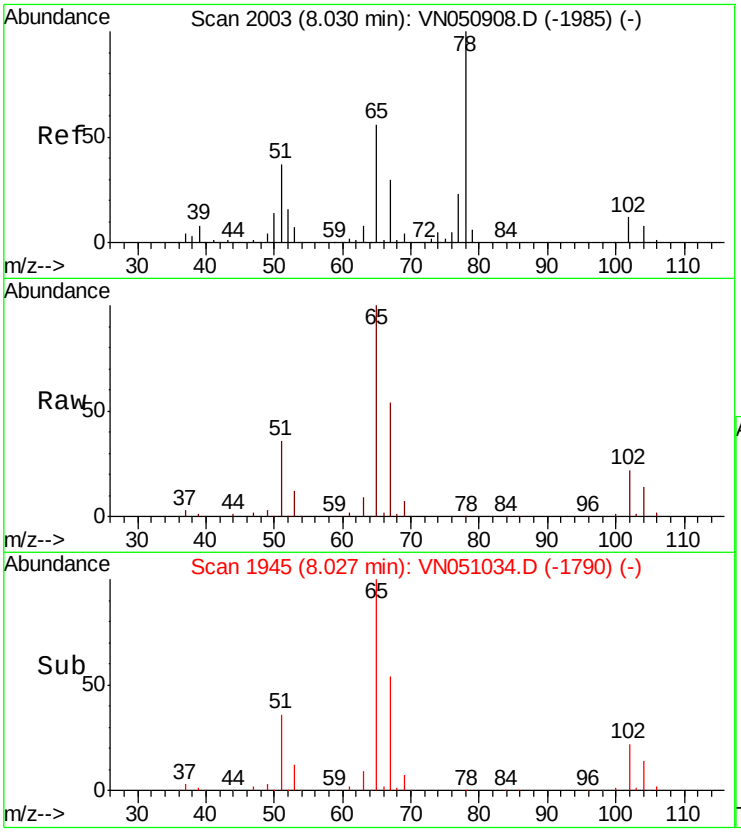


#23
tert-Butyl Alcohol
Concen: 1.12 ug/l
RT: 4.74 min Scan# 922
Delta R.T. -0.05 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Tgt Ion: 59 Resp: 666

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#



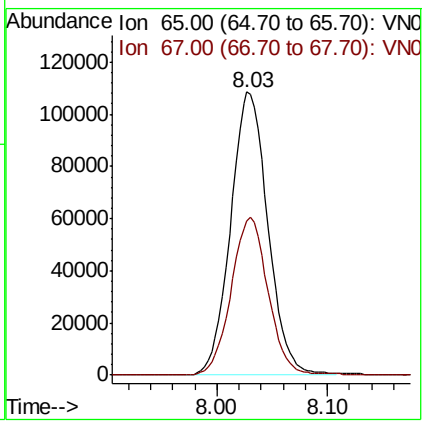


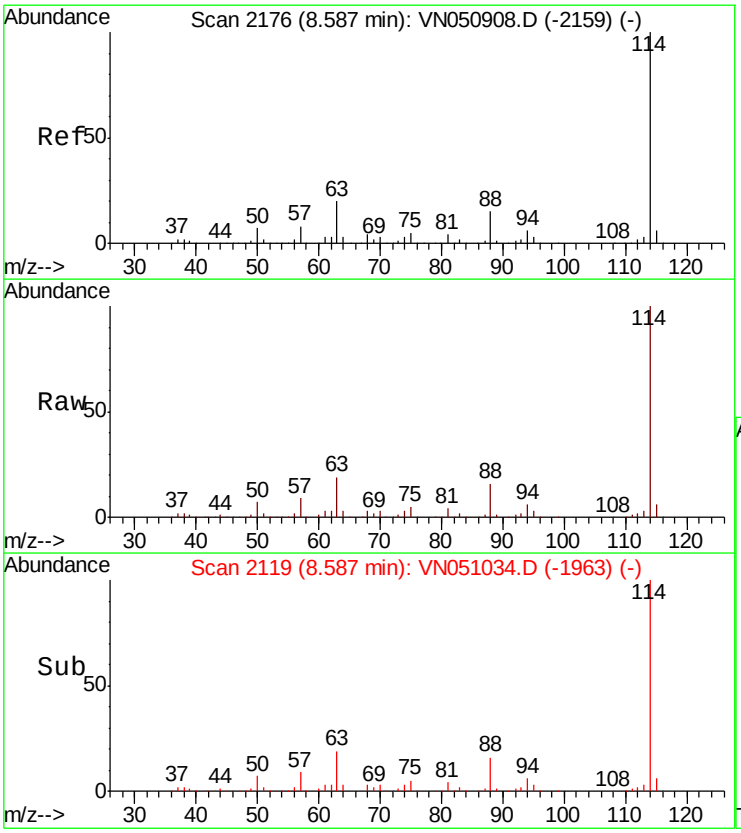
#27
1,2-Dichloroethane-d4
Concen: 30.16 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(SEP)DL

Tgt Ion: 65 Resp: 254076

Ion	Ratio	Lower	Upper
65	100		
67	55.0	43.7	65.5

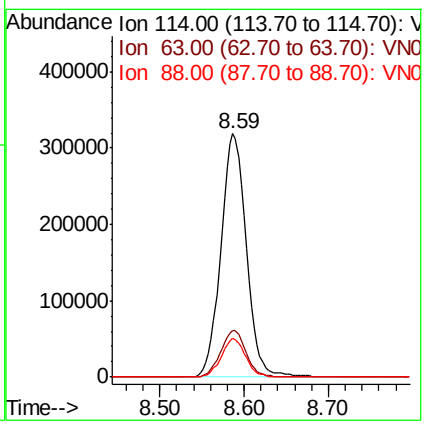


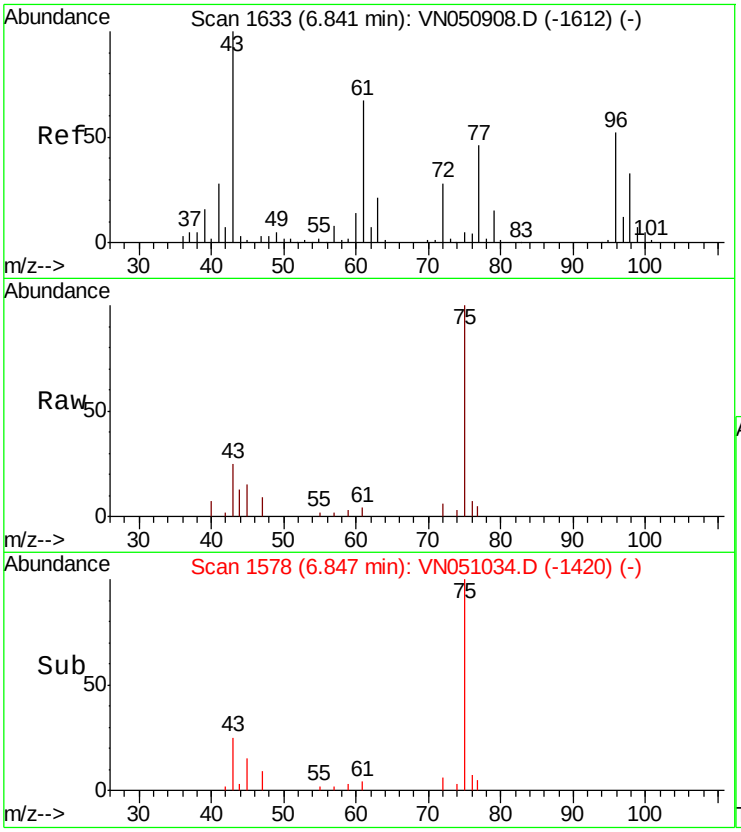


#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Tgt Ion:114 Resp: 669513

Ion	Ratio	Lower	Upper
114	100		
63	19.0	15.6	23.4
88	15.2	12.2	18.4



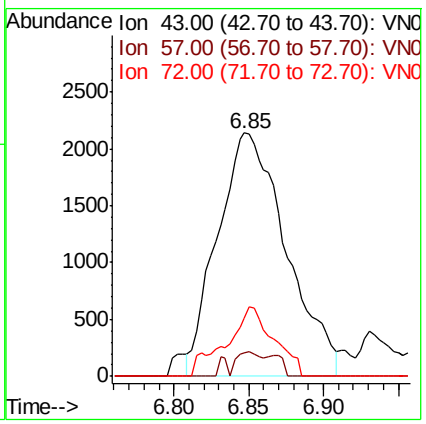


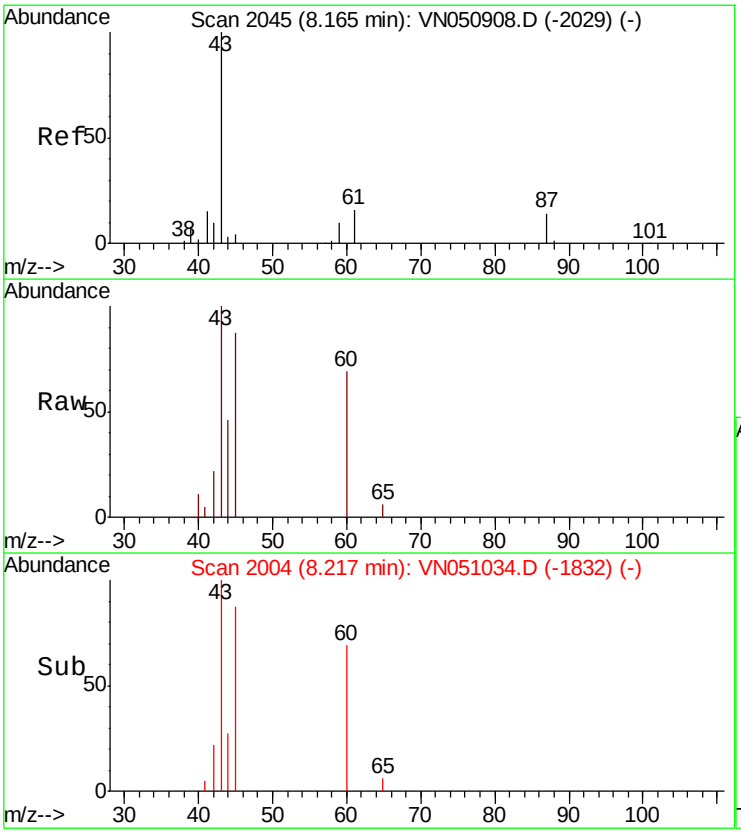
#30
2-Butanone
Concen: 2.22 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(SEP)DL

Tgt Ion: 43 Resp: 6844

Ion	Ratio	Lower	Upper
43	100		
57	3.7	6.9	10.3#
72	18.2	22.8	34.2#

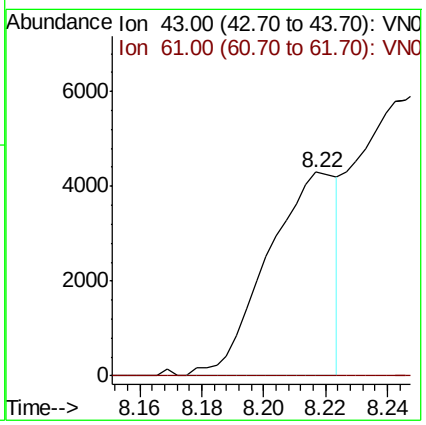


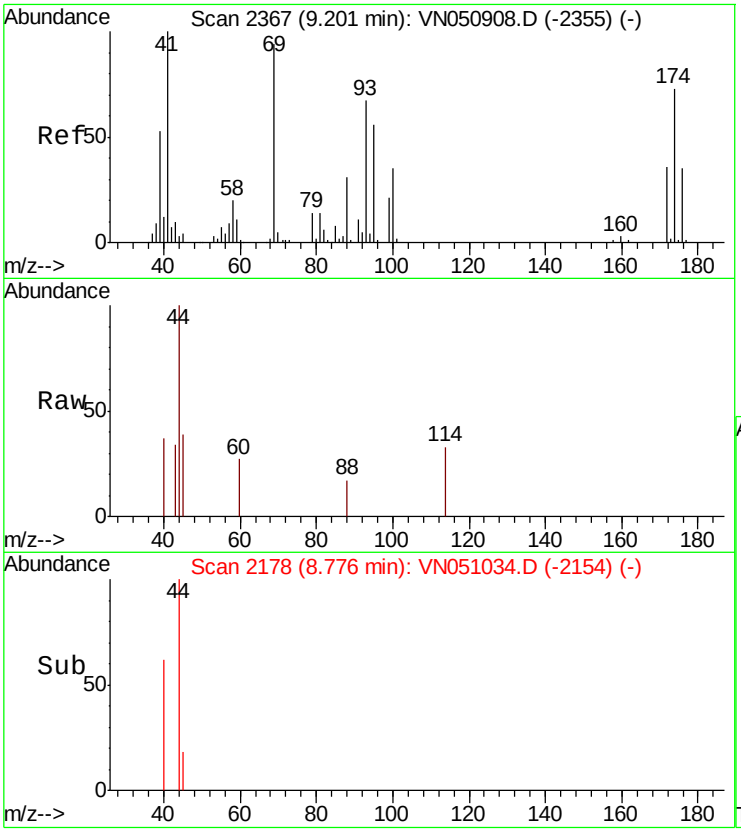


#44
Isopropyl Acetate
Concen: 0.59 ug/l
RT: 8.22 min Scan# 2004
Delta R.T. 0.05 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Tgt Ion: 43 Resp: 6632

Ion	Ratio	Lower	Upper
43	100		
61	2.1	16.3	24.5#



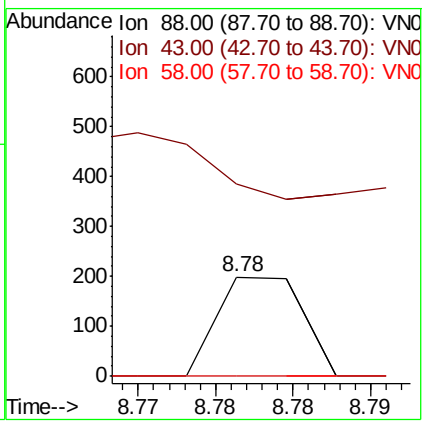


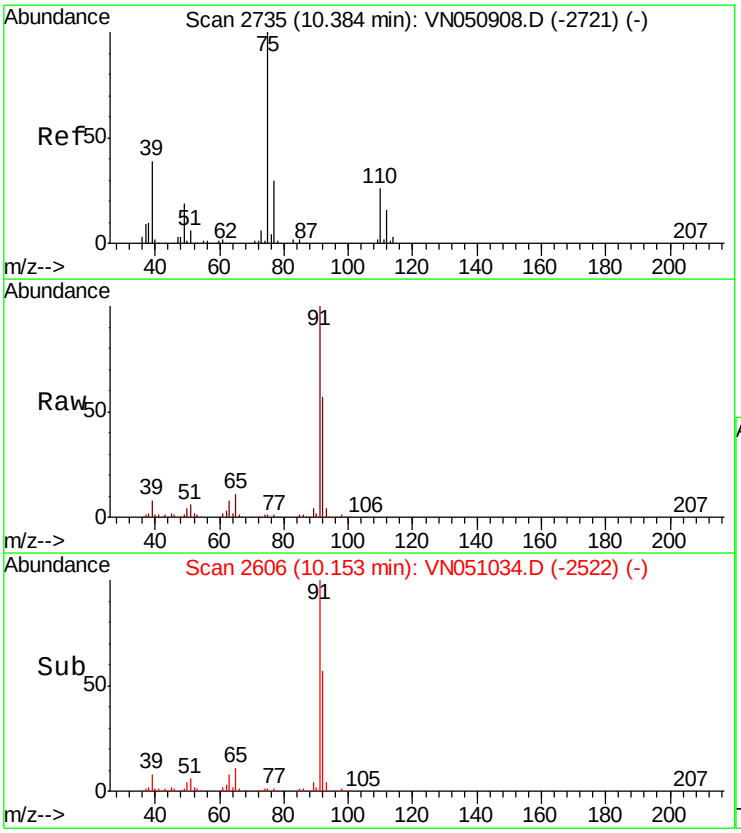
#45
1,4-Dioxane
Concen: 0.92 ug/l
RT: 8.78 min Scan# 2178
Delta R.T. -0.42 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(SEP)DL

Tgt Ion: 88 Resp: 76

Ion	Ratio	Lower	Upper
88	100		
43	156.6	23.5	35.3#
58	0.0	55.2	82.8#

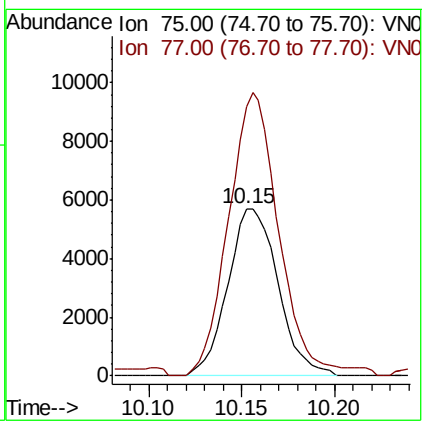


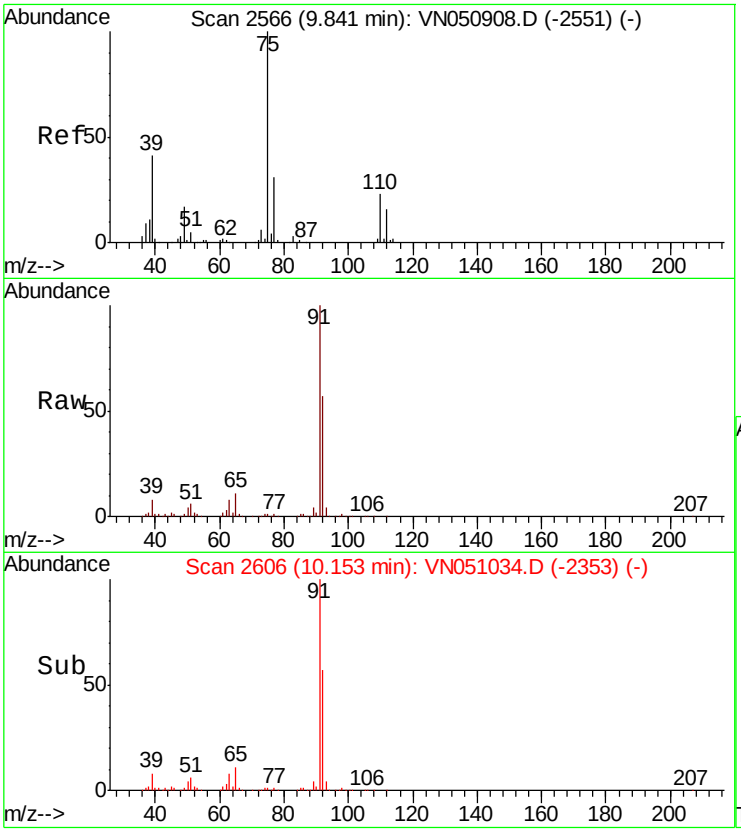


#48
t-1,3-Dichloropropene
Concen: 1.06 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.23 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Tgt Ion: 75 Resp: 10733

Ion	Ratio	Lower	Upper
75	100		
77	161.3	24.8	37.2#



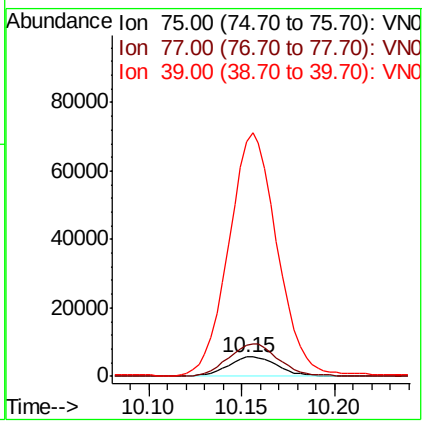


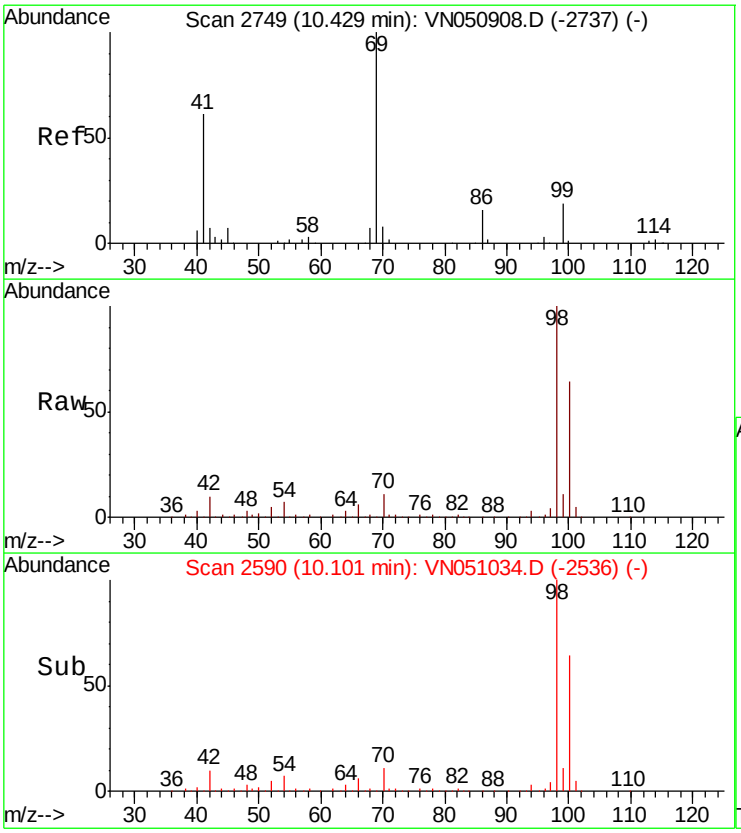
#49
cis-1,3-Dichloropropene
Concen: 0.93 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.31 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(SEP)DL

Tgt Ion: 75 Resp: 10733

Ion	Ratio	Lower	Upper
75	100		
77	161.3	25.0	37.4#
39	1187.1	32.9	49.3#

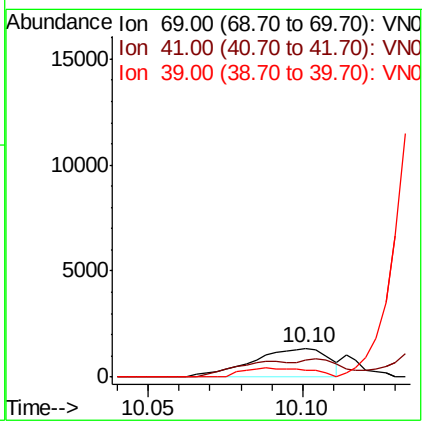


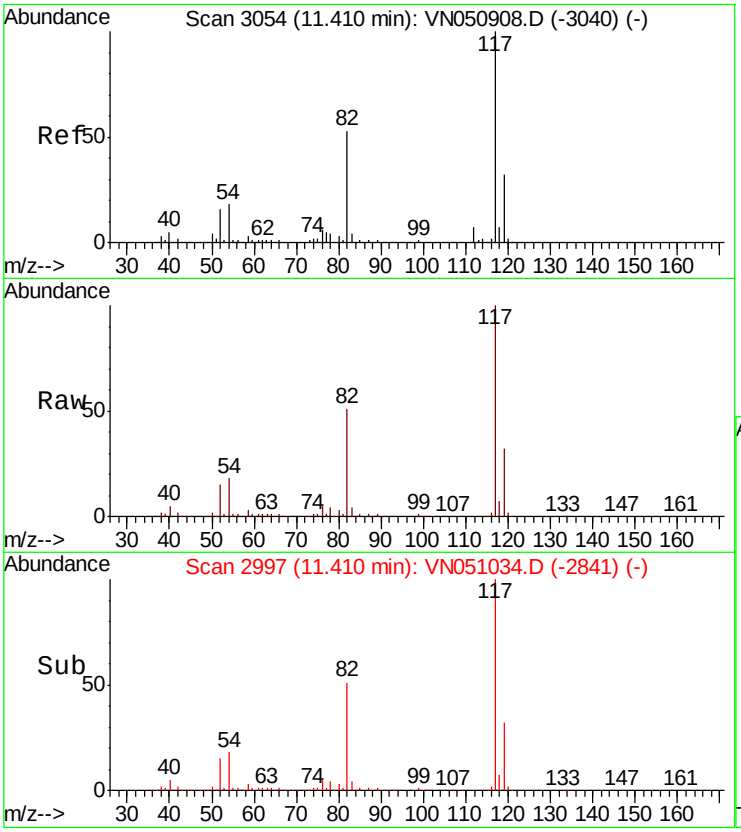


#51
Ethyl methacrylate
Concen: 0.27 ug/l
RT: 10.10 min Scan# 2590
Delta R.T. -0.33 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Tgt Ion: 69 Resp: 2308

Ion	Ratio	Lower	Upper
69	100		
41	58.6	30.5	91.5
39	25.4	15.3	45.8



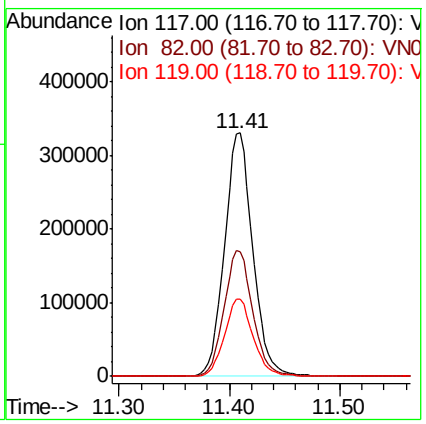


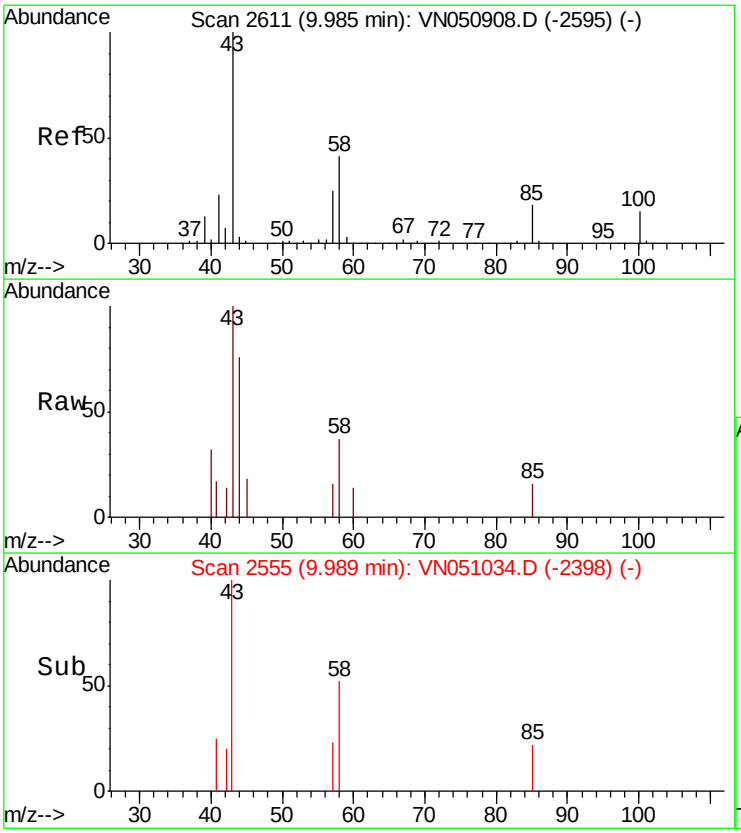
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(SEP)DL

Tgt Ion:117 Resp: 586408

Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.6	64.0
119	32.3	25.7	38.5

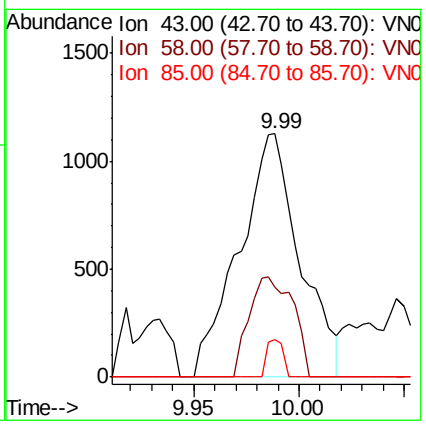


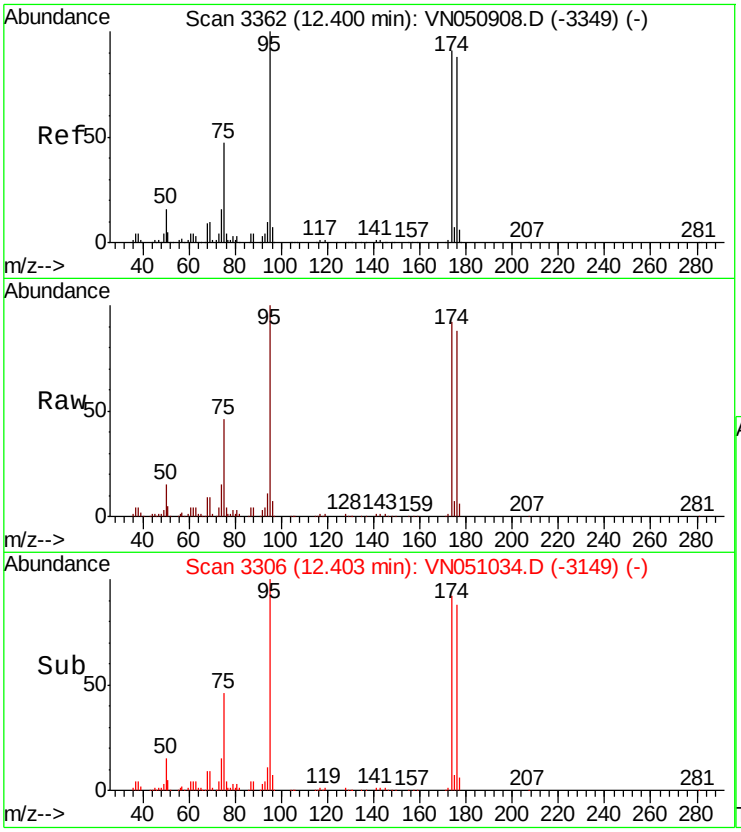


#58
4-Methyl-2-Pentanone
Concen: 0.34 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Tgt Ion: 43 Resp: 2265

Ion	Ratio	Lower	Upper
43	100		
58	29.6	32.3	48.5#
85	4.2	14.9	22.3#



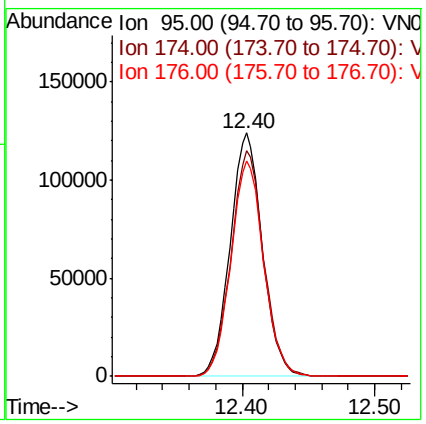


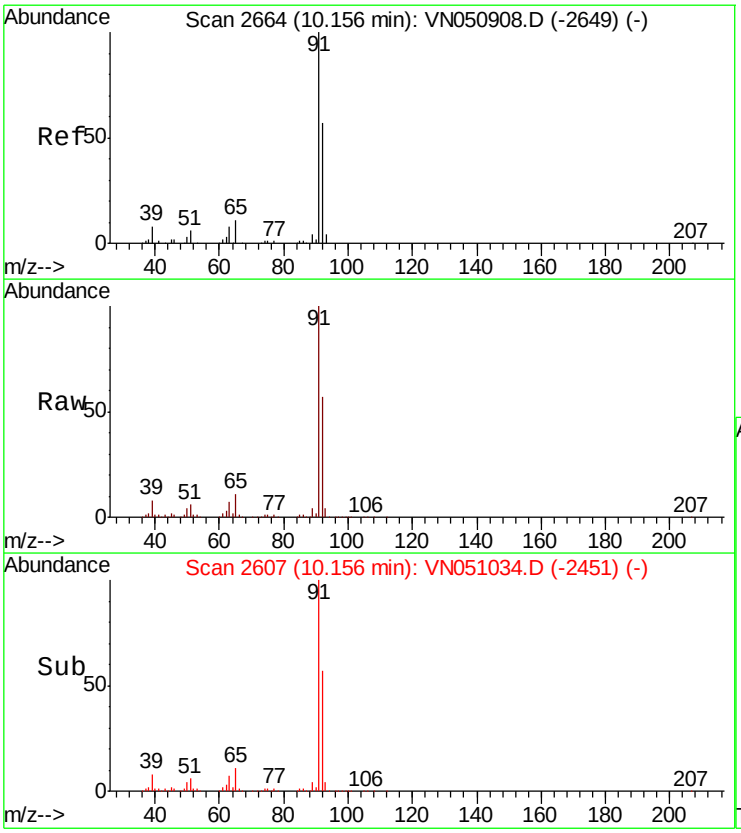
#60
4-Bromofluorobenzene
Concen: 23.91 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(SEP)DL

Tgt Ion: 95 Resp: 208508

Ion	Ratio	Lower	Upper
95	100		
174	93.8	74.6	112.0
176	89.7	71.5	107.3

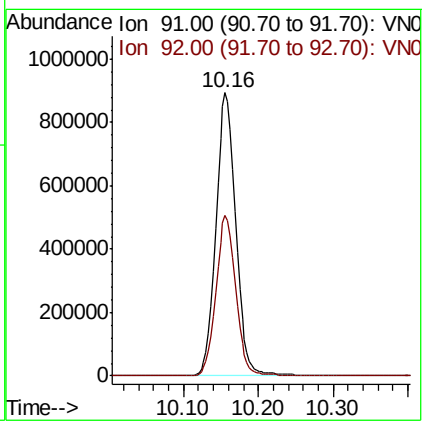


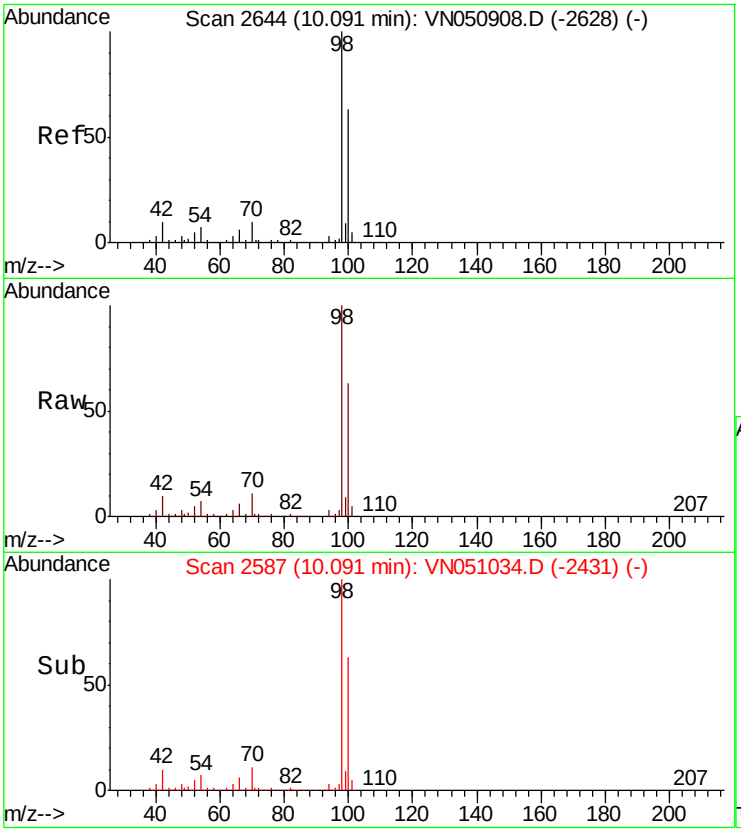


#62
Toluene
Concen: 50.24 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Tgt Ion: 91 Resp: 1643750

Ion	Ratio	Lower	Upper
91	100		
92	56.6	45.8	68.8



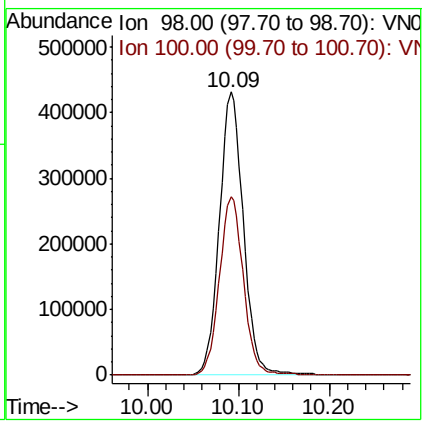


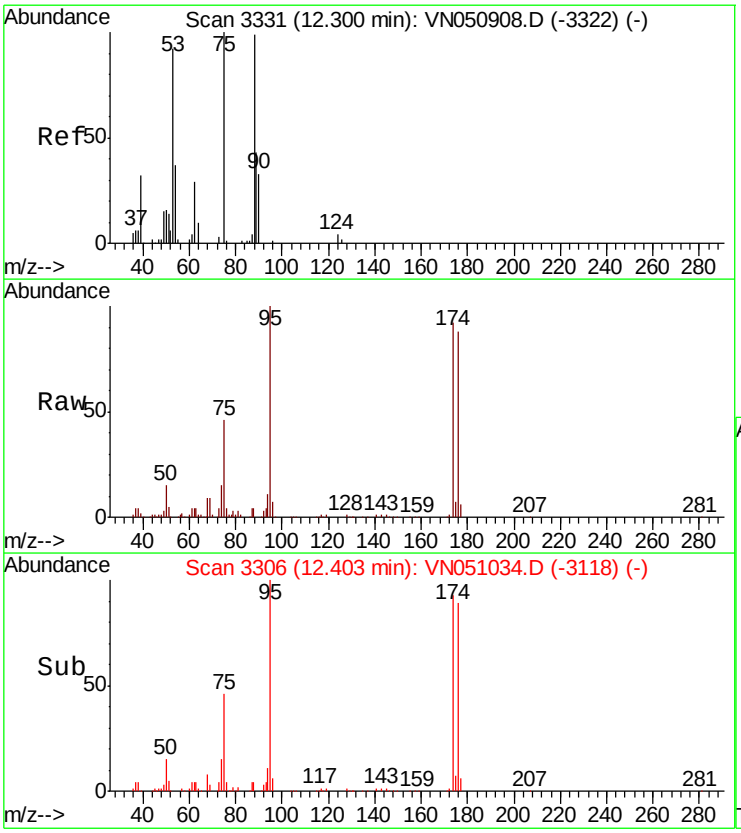
#63
Toluene-d8
Concen: 29.00 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(SEP)DL

Tgt Ion: 98 Resp: 792943

Ion	Ratio	Lower	Upper
98	100		
100	62.8	50.6	75.8

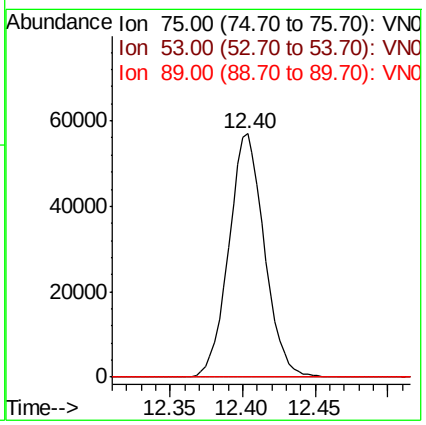


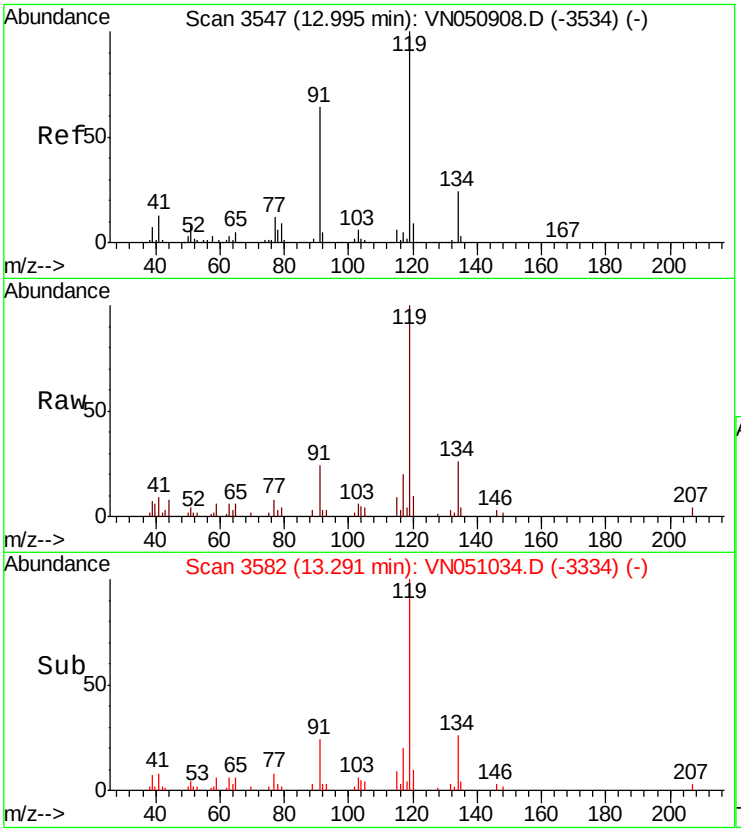


#77
t-1,4-Dichloro-2-butene
Concen: 43.94 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Tgt Ion: 75 Resp: 96807

Ion	Ratio	Lower	Upper
75	100		
53	0.0	45.5	136.4#
89	0.0	21.9	65.8#



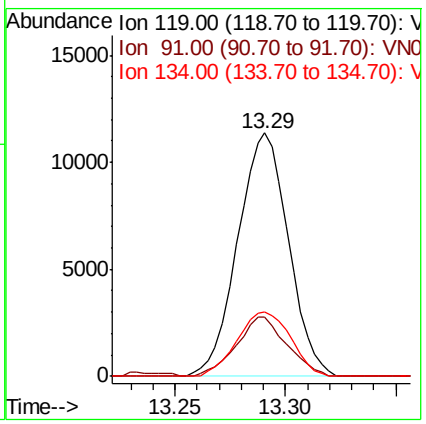


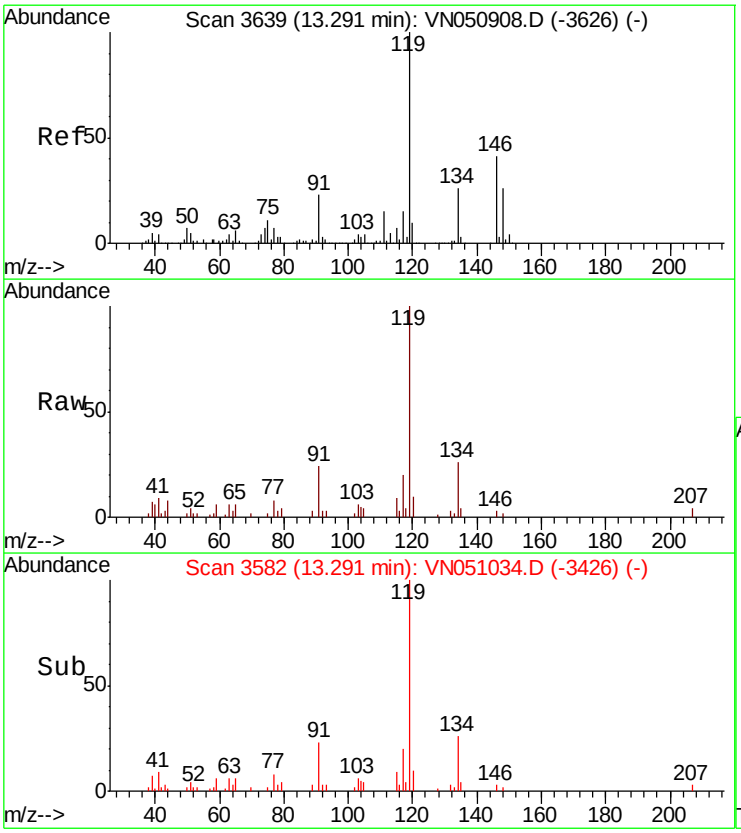
#79
tert-butylbenzene
Concen: 0.77 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.30 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(SEP)DL

Tgt Ion:119 Resp: 18094

Ion	Ratio	Lower	Upper
119	100		
91	24.3	0.0	125.6
134	27.8	0.0	48.4

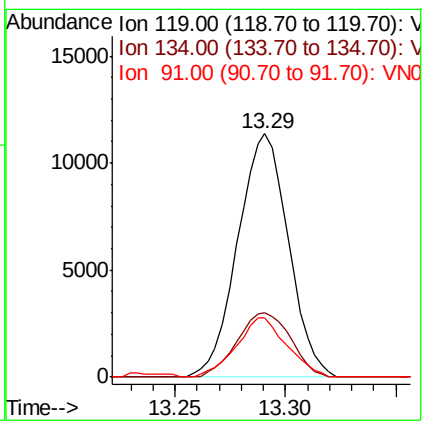


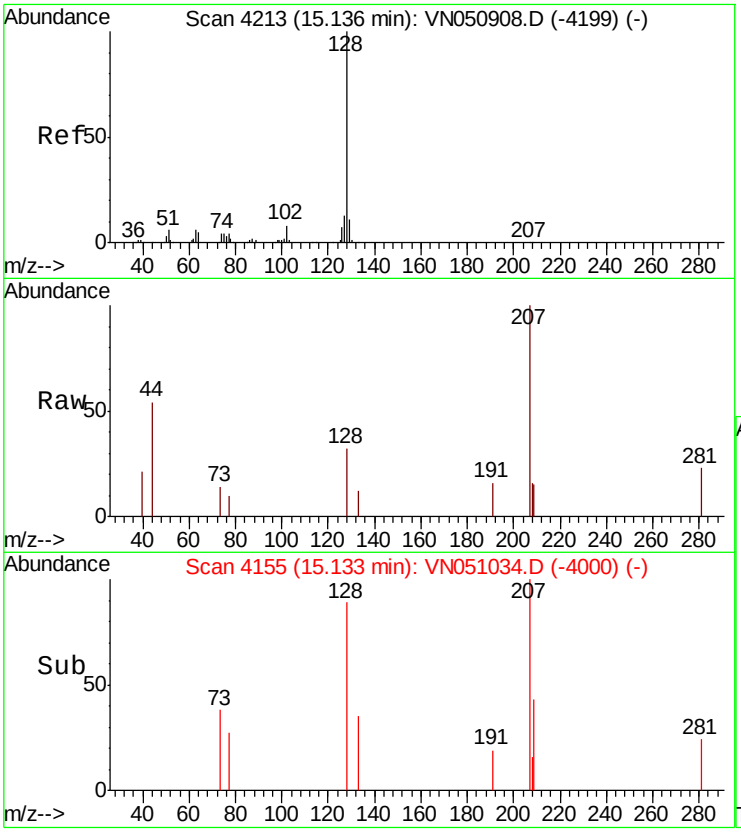


#82
p-Isopropyltoluene
Concen: 0.68 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Tgt Ion:119 Resp: 18094

Ion	Ratio	Lower	Upper
119	100		
134	27.8	0.0	53.2
91	24.3	0.0	46.0





#91
Naphthalene
Concen: 8.61 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051034.D
Acq: 6 Sep 2018 16:04

Instrument :
MSVOA_N
ClientSampleId :
001M-WILLETS-PT-BLVD(SEP)DL

Tgt Ion:128 Resp: 609

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.7	13.1#